

What is claimed is:

1. A drum type washing and drying apparatus comprising:

a washing unit including a tub receiving a water for washing laundry and  
a first drum rotatably installed inside the tub;

5 a drying unit including a second drum rotatably installed in the vicinity of  
the washing unit;

a first airflow duct of which one end is connected to the tub and the  
other end is connected to the second drum;

a blowing fan installed at the first airflow duct for introducing an air  
10 inside the tub into the second drum through the first airflow duct;

a heating means for heating the air passing through the first airflow duct;  
and

a second airflow duct of which one end is connected to the second drum  
and the other end is connected to the tub so that an air inside the second drum  
15 is introduced into the tub therethrough.

2. The apparatus of claim 1, further comprising a control unit  
installed at the washing unit for controlling a water supply valve and a draining  
pump so that the first drum can be in contact with water inside the tub when the  
20 second drum performs a drying operation.

3. The apparatus of claim 2, further comprising a water level  
detecting unit for detecting a water level in the tub, and the control unit controls  
the water supply valve and the draining pump on the basis of the water level  
25 detecting unit.

4. The apparatus of claim 1, wherein the washing unit and the drying unit are installed in one casing.

5 5. The apparatus of claim 1, wherein the washing unit and the drying unit are respectively installed in a pair of casings.

6. The apparatus of claim 1, wherein at least one of the first and second airflow ducts consists of a soft material.

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7. The apparatus of claim 1, wherein an airflow valve is installed at the first airflow duct for opening and closing the first airflow duct.

8. The apparatus of claim 1, wherein the first airflow duct is  
15 communicated with an upper side of the tub, and the second airflow duct is communicated with a lower side of the tub.

9. The apparatus of claim 1, wherein an airflow valve is installed at the second airflow duct for opening and closing the second airflow duct.

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